

**AMENDMENT UNDER 37 C.F.R. § 1.111  
U.S. APP. NO. 10/667,364**

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (currently amended): An apparatus for generating a hot-plug signal comprising:

a first unit connected to a host device, wherein the first unit comprises:

a medium insertion/removal sensing unit which senses when a medium is inserted into the first unit or when the medium is removed from the first unit; and

a hot-plug signal control unit which outputs a hot-plug signal when the medium insertion/removal sensing unit senses that the medium is inserted or removed.

2. (currently amended): An apparatus for generating a hot-plug signal comprising:

a unit connected to a host device, wherein the unit comprises:

a medium insertion unit, which receives a medium and generates a sensor signal when the medium is inserted or removed;

a medium control unit which controls the received medium and generates a hot-plug signal; and

a switch which outputs the hot-plug signal in response to the sensor signal generated by the medium insertion unit.

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3. (original): The apparatus of claim 1, wherein the medium is a memory stick.
4. (original): The apparatus of claim 2, wherein the medium is a memory stick.
5. (original): The apparatus of claim 2, wherein the medium insertion unit transmits the sensor signal to the switch.
6. (original): The apparatus of claim 1, wherein the hot-plug signal is a D+ or D- signal defined in a USB standard.
7. (original): The apparatus of claim 2, wherein the hot-plug signal is a D+ or D- signal defined in a USB standard.
8. (currently amended): A method for generating a hot-plug signal comprising:
  - (a) sensing when a medium is inserted into or removed from a unit connected to a host device; and
  - (b) controlling a hot-plug signal output so that the hot-plug signal is output when the medium is inserted or removed.
9. (currently amended): A method for generating a hot-plug signal comprising:
  - (a) generating a sensor signal when a medium is inserted into or removed from a unit connected to a host device;
  - (b) controlling the medium and generating a hot-plug signal; and

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(c) controlling the hot-plug signal to be output in response to the sensor signal.

10. (original): The method of claim 8, wherein the medium is a memory stick.

11. (original): The method of claim 9, wherein the medium is a memory stick.

12. (original): The method of claim 9, wherein in step (a), the sensor signal generated upon the insertion/removal of the medium is transferred to a switch for outputting the hot-plug signal.

13. (original): The method of claim 8, wherein the hot-plug signal is a D+ or D- signal defined in a USB standard.

14. (original): The method of claim 9, wherein the hot-plug signal is a D+ or D- signal defined in a USB standard.

15. (currently amended): A computer readable medium storing a computer program for executing a hot-plug signal generation method, the hot-plug signal generation method comprising:

(a) sensing when a medium is inserted into or removed from a unit connected to a host device; and

(b) controlling a hot-plug signal output so that the hot-plug signal is output when the medium is inserted or removed.

16. (currently amended): A computer readable medium storing a computer program for executing a hot-plug signal generation method, the hot-plug signal generation method comprising:

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(a) generating a sensor signal by sensing whether a medium is inserted into or removed from a unit connected to a host device;

(b) controlling the medium and generating the hot-plug signal; and

(c) controlling the hot-plug signal to be output in response to the sensor signal.

17. (new): An apparatus for generating a hot-plug signal comprising:

a detachable unit detachably connected to a host device, wherein the detachable unit comprises:

a medium insertion/removal sensing unit which senses when a medium is inserted into the detachable unit or when the medium is removed from the detachable unit; and

a hot-plug signal control unit which outputs a hot-plug signal when the medium insertion/removal sensing unit senses that the medium is inserted or removed.

18. (new): An apparatus for generating a hot-plug signal comprising:

a detachable unit detachably connected to a host device, wherein the detachable unit comprises:

a medium insertion unit which receives a medium and generates a sensor signal when the medium is inserted or removed;

a medium control unit which controls the received medium and generates a hot-plug signal; and

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a switch which outputs the hot-plug signal in response to the sensor signal generated by the medium insertion unit.

19. (new) The apparatus of claim 17, wherein the medium is a memory stick.

20. (new) The apparatus of claim 18, wherein the medium is a memory stick.

21. (new) A method for generating a hot-plug signal comprising:

(a) sensing when a medium is inserted into or removed from a unit detachably connected to a host device; and

(b) controlling a hot-plug signal output so that the hot-plug signal is output when the medium is inserted or removed.

22 (new) A method for generating a hot-plug signal comprising:

(a) generating a sensor signal when a medium is inserted into or removed from a unit detachably connected to a host device.

(b) controlling the medium and generating a hot-plug signal; and

(c) controlling the hot-plug signal to be output in response to the sensor signal.

23. (new) The method of claim 21, wherein the medium is a memory stick.

24. (new) The method of claim 22, wherein the medium is a memory stick.